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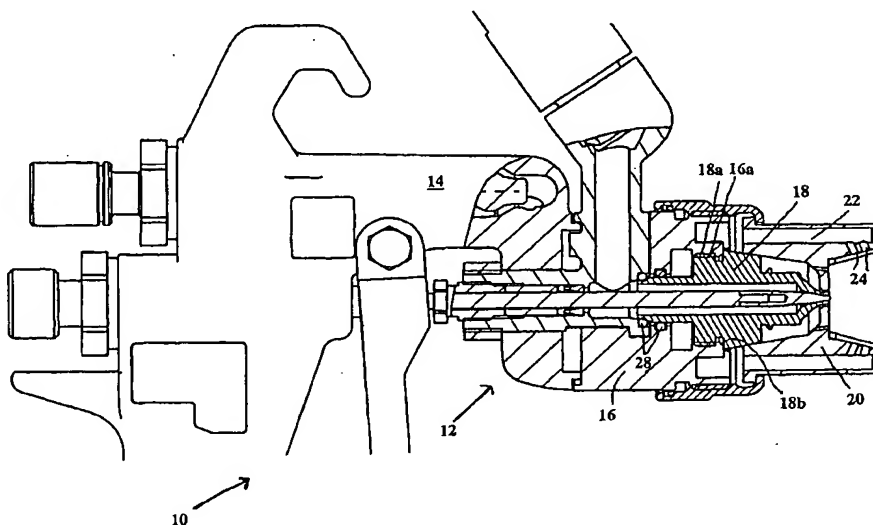
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(54) Title: **AIR SPRAY GUN IMPROVEMENTS IN NOZZLE AND AIRCAP**



(57) Abstract: The feeder passages (22) in the aircap (20) of an air spray gun (10) are slots which are significantly wider than the horn exit holes (24). This construction makes centerline offset much more forgiving by providing a consistent intersection of the passages. The feeder passages (22) are also deeper in that they extend past the intersection point (26) again making them more forgiving of irregularities. Sealing and seating of the nozzle (18) to the fluid inlet (16) have also been improved over the prior art. In the instant invention, o-rings (28) seal the nozzle (18) to the fluid inlet (16) and allow the shoulder (18b) of the nozzle (18) to seat squarely on the spray housing (14) controlling angularity.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.